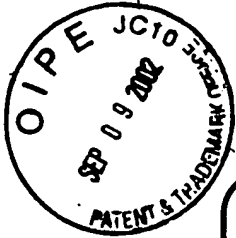


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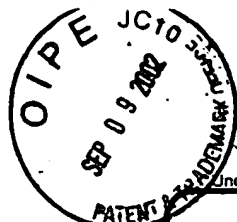
TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/092,031	
	Filing Date	03/05/2002	
	First Named Inventor	Giorgio Rizzoni et al.	
	Group Art Unit	3747	
	Examiner Name		
Total Number of Pages in This Submission	18	Attorney Docket Number	OSU1159-148B

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Copy of Ntc. to File Miss. Parts; Preliminary Amendment; Declaration; Powers of Attorney; Req. for Correction of Filing Receipt; copy w/changes marked; postcard filing receipt and check
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Roger A. Gilcrest
Signature	<i>Roger A. Gilcrest</i>
Date	September 3, 2002

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date: September 4, 2002	
Typed or printed name	Sheri L. Burke
Signature	<i>Sheri L. Burke</i>
Date	September 4, 2002

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1063.00)

Complete if Known

Application Number 10/092,031
Filing Date 03/05/2002
First Named Inventor Giorgio Rizzoni et al.
Examiner Name
Group Art Unit
Attorney Docket No. OSU1159-148B

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 19-4076
Deposit Account Name

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified Deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 740	201 370	Utility filing fee	370.00
106 330	206 165	Design filing fee	
107 510	207 255	Plant filing fee	
108 740	208 370	Reissue filing fee	
114 160	214 80	Provisional filing fee	

SUBTOTAL(1) (\$ 370.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims -20** = x =
Independent Claims -3* = x =
Multiple Dependent =

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 84	202 42	Independent claims in excess of 3
104 280	204 140	Multiple dependent claim, if not paid
109 84	209 42	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL(2) (\$ 168.00)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	65.00
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2520	For filing a request for ex parte reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner Action	
113 1,840*	113 1840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 400	216 200	Extension for reply within second month	
117 920	217 460	Extension for reply within third month	460.00
118 1,440	218 720	Extension for reply within fourth month	
128 1,960	228 980	Extension for reply within fifth month	
119 320	219 160	Notice of Appeal	
120 320	210 160	Filing a brief in support of an appeal	
121 280	221 140	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,280	241 640	Petition to revive - unintentional	
142 1,280	242 640	Utility issue fee (or reissue)	
143 460	243 230	Design issue fee	
144 620	244 310	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(q)	
126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 740	246 370	Filing a submission after final rejection (37 CFR Section 1.129(a))	
149 740	249 370	For each additional invention to be examined (37 CFR Section 1.129(b))	
179 740	279 370	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

Other fee (specify) _____

* Reduced by Basic Filing Fee Paid

SUBTOTAL(3) (\$ 525.00)

SUBMITTED BY

Name (Print/Type) Roger A. Gilcrest Registration No. 31,954 Telephone 614-792-5555
Signature [Signature] (Attorney/Agent) Date Sept. 3, 2002

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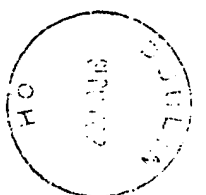
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STANDLEY & GILCREST LLP

Attorneys and Counselors at Law
495 Metro Place South
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Dublin, Ohio 43017-5319

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Title

Engine control using torque estimation

Preliminary Class

123

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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/092,031	03/05/2002	3747	0.00	OSU1159-148B	23	20	7

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CONFIRMATION NO. 7585

08698
STANDLEY & GILCREST LLP
495 METRO PLACE SOUTH
SUITE 210
DUBLIN, OH 43017

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APR 15 2002

STANDLEY & GILCREST

FILING RECEIPT



OC000000007827572

Date Mailed: 04/09/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Giorgio Rizzoni, Residence Not Provided;
~~Byung Ha Lee, Residence Not Provided~~
 Yann Guezennec, Residence Not Provided;
 Ahmed Soliman, Residence Not Provided;
~~Mauro Cavallotti, Residence Not Provided~~
~~James Waters, Residence Not Provided~~

Assignment For Published Patent Application

~~XXXXXXXXXX The Ohio State University, Columbus, OH~~ The Ohio State University, Columbus, Ohio
~~XXXXXXXXXX Detroit Automotive, Brighton, MI~~

Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/273,423 03/05/2001

Foreign Applications

If Required, Foreign Filing License Granted 04/08/2002

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

STANDLEY & GILCREST
Received for Docketing
Date: 4/15/02

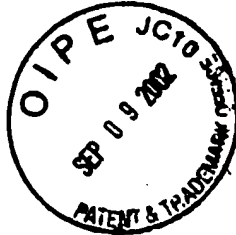


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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/092,031	03/05/2002	Giorgio Rizzoni	OSU1159-148B

08698
STANDLEY & GILCREST LLP
495 METRO PLACE SOUTH
SUITE 210
DUBLIN, OH 43017



CONFIRMATION NO. 7585

FORMALITIES LETTER



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Date Mailed: 04/09/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- Total additional claim fee(s) for this application is \$336.
 - \$336 for 4 independent claims over 3 .
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 1206.**

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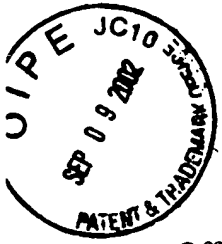
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Customer Service Center

Initial Patent Examination Division (703) 308-1202

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02 FD:102 35.00 00
03 FD:102 180.00 00



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September 4, 2002

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RE: U.S. Patent Application Serial No. 10/092,031
Entitled: ENGINE CONTROL USING TORQUE ESTIMATION
Filed: March 5, 2002
Group Art Unit: 3747
Inventor: Giorgio Rizzoni et al.
Based on: U.S. Provisional Application Serial No. 60/273,423
Our reference: OSU1159-148B

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8 (A)

Date of Deposit: September 4, 2002

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Sheri L. Burke


Dear Sir:

Applicant's undersigned attorney has noted the following errors in the Official Filing Receipt for the above-identified application:

1. By virtue of the filing of two (2) Preliminary Amendments, the inventorship of this application has been changed. Therefore, please delete the following inventors.
"Byungho Lee, Mauro Cavaletti, James Waters "
2. Under "Assignment for Published Patent", please delete "Delphi Automotive, Brighton, MI"; also, please delete the word "Unviersity" and insert the word --- University ---.

A copy of the Official Filing Receipt is enclosed herewith and the changes as detailed above have been made to this copy.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Roger A. Gilcrest", written over a horizontal line.

Roger A. Gilcrest
Registration No. 31,954
Standley & Gilcrest LLP
495 Metro Place North, Suite 210
Dublin, Ohio 43017
Attorneys for Applicant